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File: USPT

Jun 24, 2003

US-PAT-NO: 6584451

DOCUMENT-IDENTIFIER: US 6584451 B1

TITLE: Facilitator for aggregating buyer power in an on-line market system

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Shoham; Yoav Palo Alto CA
Perry; Greg Mountain View CA
Cruikshank; Kirk Saratoga CA

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Ariba, Inc. Sunnyvale CA 02

APPL-NO: 09/ 328193 [PALM]
DATE FILED: June 8, 1999

PARENT-CASE:

PRIORITY The present patent application claims priority to the corresponding provisional patent application serial No. 60/115,710, titled, "Online Buyers Club System", filed Jan. 12, 1999.

INT-CL: [07] <u>G06</u> <u>F</u> 17/60

US-CL-ISSUED: 705/37; 705/26, 705/27 US-CL-CURRENT: <u>705/37</u>; <u>705/26</u>, <u>705/27</u>

FIELD-OF-SEARCH: 705/26, 705/27, 705/37

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| Search Selected | Clear |
|-----------------|-------|
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|          | PAT-NO  | ISSUE-DATE    | PATENTEE-NAME    | US-CL   |
|----------|---------|---------------|------------------|---------|
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|          | 4789928 | December 1988 | Fujisaki         | 364/401 |
|          | 5101353 | March 1992    | Lupien et al.    | 364/408 |
|          | 5136501 | August 1992   | Silverman et al. | 364/408 |
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1.; 3003034 rebluary 1997 Swanson

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|                         | 5689652         | November 1997  | Lupien et al.   | 395/237   |
|                         | <u>5727165</u>  | March 1998     | Ordish et al.   |           |
| $\Box$                  | <u>5745765</u>  | April 1998     | Paseman         |           |
|                         | 5774873         | June 1998      | Berent et al.   | 705/26    |
|                         | 5794207         | August 1998    | Walker et al.   | 705/23    |
|                         | 5794219         | August 1998    | Brown           | 705/37    |
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|                         | 5812668         | September 1998 | Weber           | •         |
|                         | <u> 5835896</u> | November 1998  | Fisher et al.   | 705/37    |
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|                         | <u>5890138</u>  | March 1999     | Godin et al.    | 705/26    |
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ART-UNIT: 3625

PRIMARY-EXAMINER: Coggins; Wynn W.

ASSISTANT-EXAMINER: Thompson, Jr.; Forest

ATTY-AGENT-FIRM: Blakely Sokoloff Taylor & Zafman LLP

## ABSTRACT:

The Online Buyers Club System (OBCS) is a mechanism for the online purchasing of goods and services. The mechanism is targeted at user communities consisting of a large number of small-volume buyers (the "Buyers Club"). The primary function of the mechanism is to automatically aggregate the buying power of these buyers. The present invention provides a mechanism to promote competition among vendors as well as a mechanism to incent buyers to make a purchase.

45 Claims, 14 Drawing figures

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File: USPT

Jun 24, 2003

DOCUMENT-IDENTIFIER: US 6584451 B1

TITLE: Facilitator for aggregating buyer power in an on-line market system

### <u>Detailed Description Text</u> (10):

SellCo may also wish to have its <u>prices</u> depend on other factors, such as the rate at which buy offers are coming in. In this case, SellCo may be able to <u>change its schedule</u>. An automated means of doing this is called an automated strategy. Note that the special, case of a fixed <u>price</u> schedule with a complicated automated strategy is the same as permitting the schedule to depend on more factors than just quantity.

#### <u>Detailed Description Text</u> (32):

If a buyer can submit a bid that is for either X or Y depending on price, the situation gets complicated. Essentially, bidders get put into either the queue expected to buy X or the queue expected to buy Y. As the relative <u>prices change, bidders</u> move from one queue to the other. This is called "Switching Goods". This is the same for the original mechanism or for the pure declining posted price mechanism. The quantities and prices of the sale are determined by the quantities in each queue at the end of the auction. (See Switching Goods and Final Quantity Schedules.)

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|    | <u>L4</u>  | price same (change or chang\$ or updat\$ or modifi\$ or variable) near schedule | 51        | <u>L4</u>       |
|    | <u>L3</u>  | 705/37  | 2194      | <u>L3</u>       |
|    | <u>L2</u>  | 705/27  | 2468      | <u>L2</u>       |
|    | <u>L1</u>  | 705/26  | 5329      | <u>L1</u>       |

END OF SEARCH HISTORY